

Amendments to the Abstract

Please replace Abstract on page 38 with the following:

**STRUCTURE AND METHOD FOR SCHEDULER PIPELINE
DESIGN FOR HIERARCHICAL LINK SHARING****ABSTRACT OF THE DISCLOSURE**

A pipeline configuration is described for use in network traffic management for the hardware scheduling of events arranged in a hierarchical linkage. The configuration reduces costs by minimizing the use of external SRAM memory devices. This results in some external memory devices being shared by different types of control blocks, such as flow queue control blocks, frame control blocks and hierarchy control blocks. Both SRAM and DRAM memory devices are used, depending on the content of the control block (Read-Modify-Write or 'read' only) at enqueue and dequeue, or Read-Modify-Write solely at dequeue. The scheduler utilizes time-based calendars and weighted fair queueing calendars in the egress calendar design. Control blocks that are accessed infrequently are stored in DRAM memory while those accessed frequently are stored in SRAM.